

Figure 1

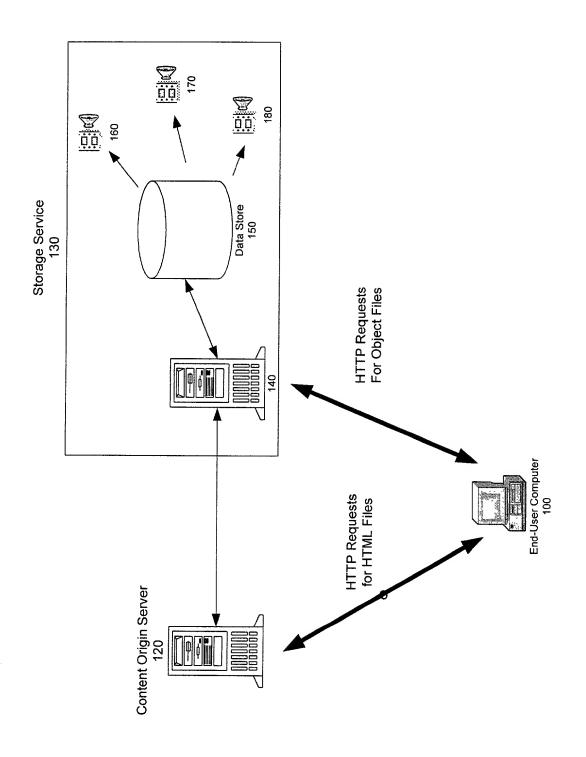
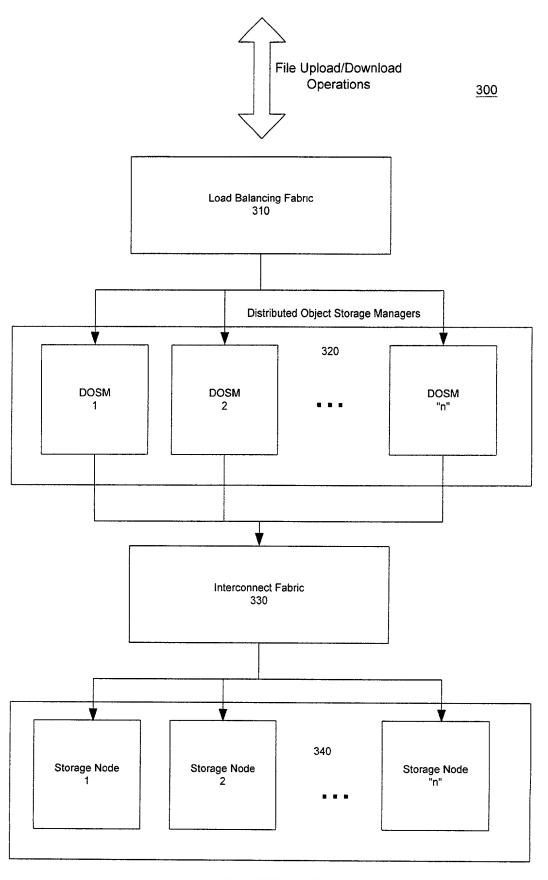
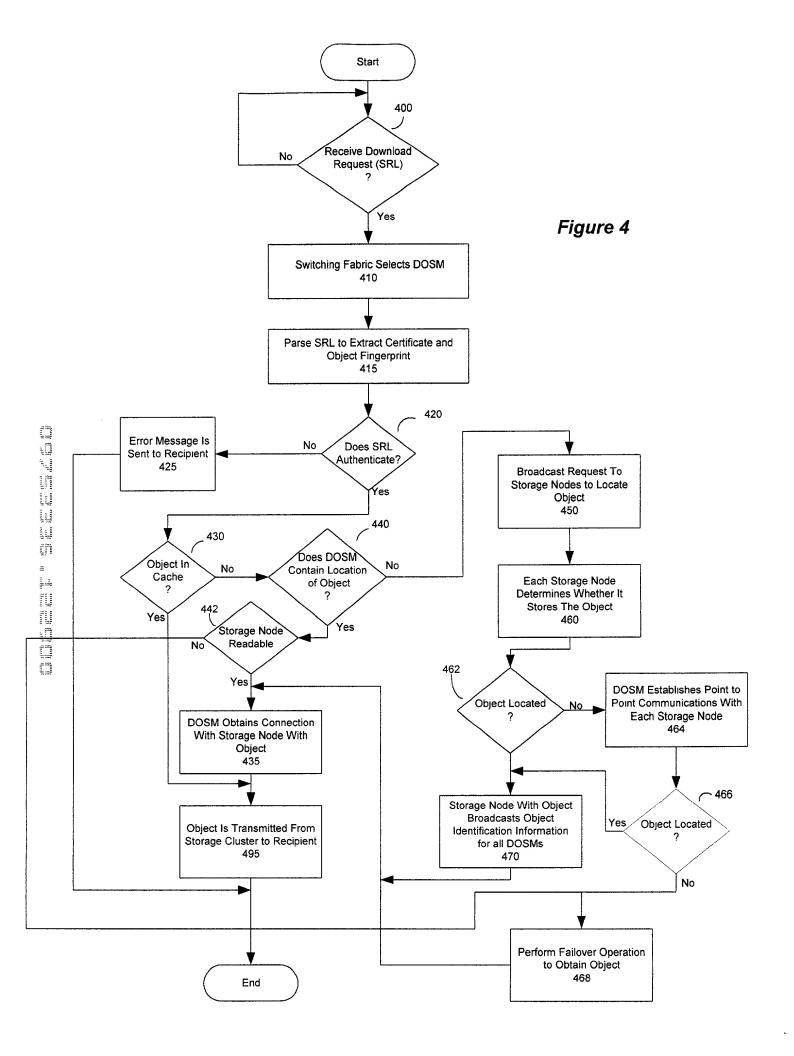


Figure 2



Intelligent Storage Nodes

Figure 3



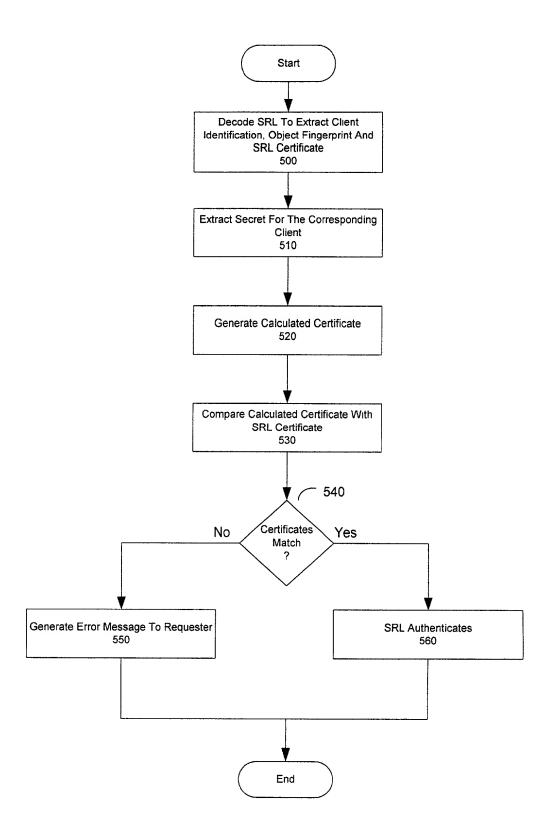
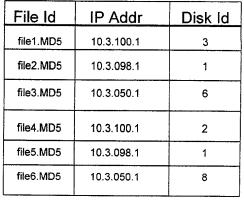
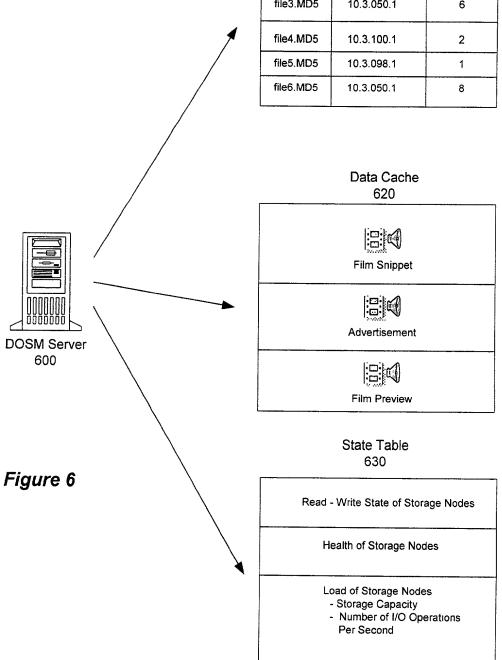


Figure 5

DOSM File Look-up Table





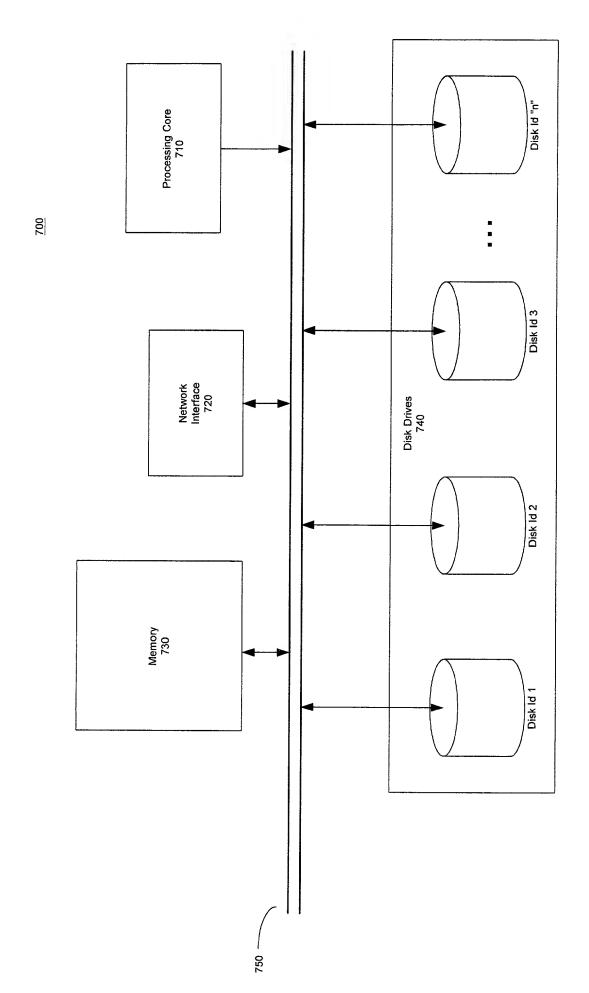
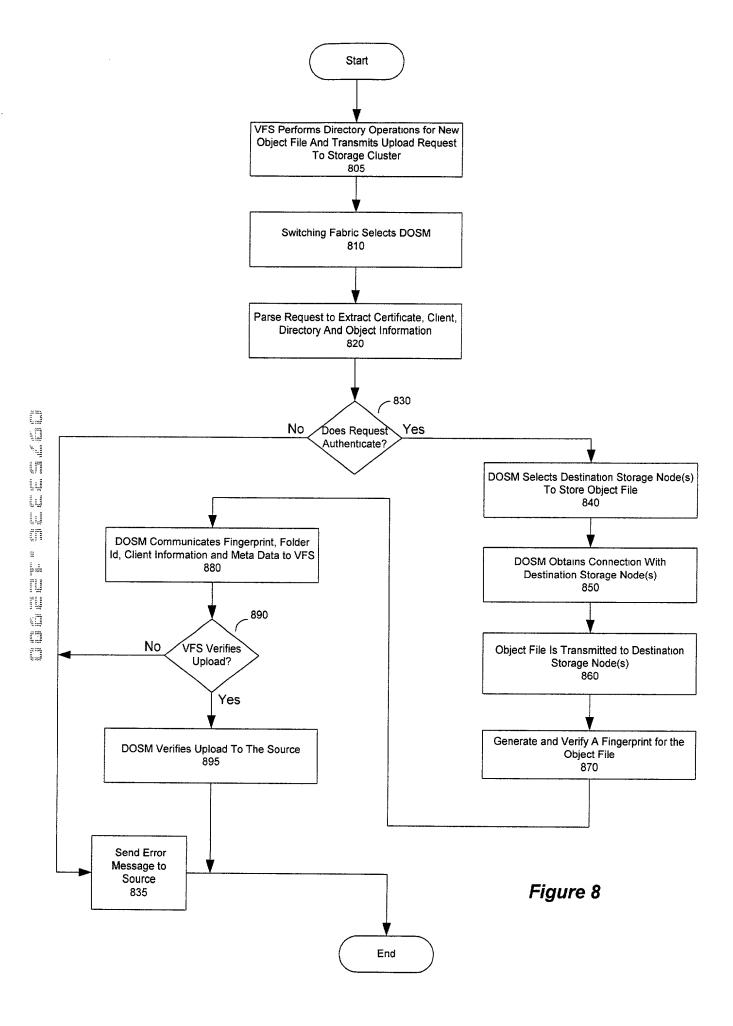


Figure 7



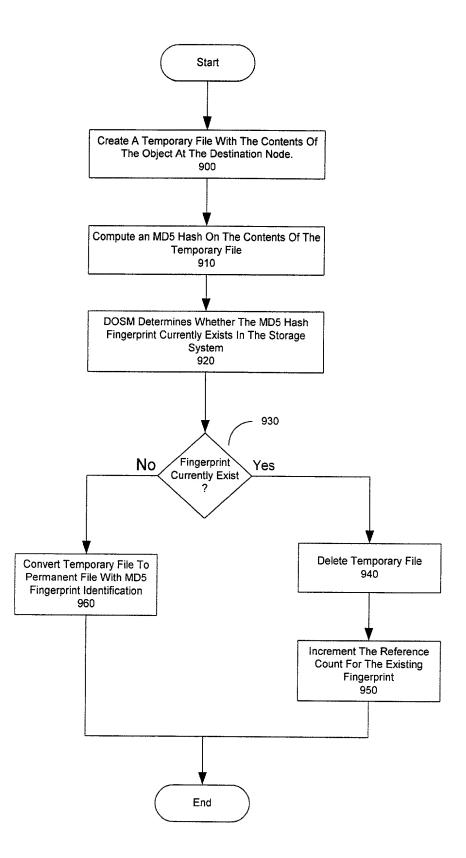


Figure 9

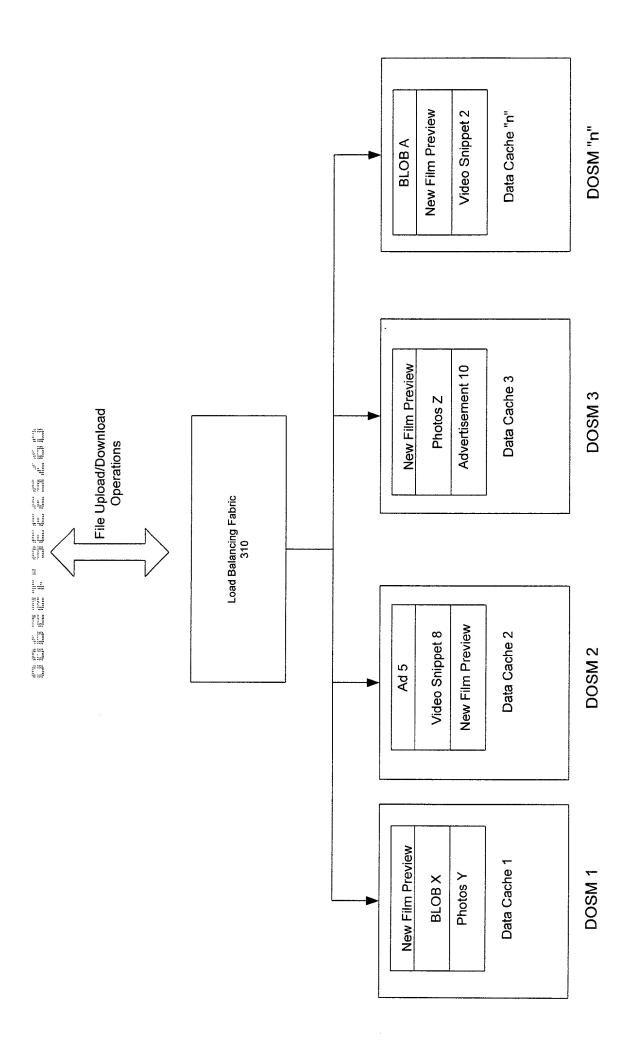


Figure 10

Figure 11

Distributed Directories 1120

1100

Customer Table

Customer Name	Customer Reserved Fields]	
Customer A	[Customer stores data]		1200
Customer B	[Customer stores data]		
Customer C	[Customer stores data]		
Customer D	[Customer stores data]		

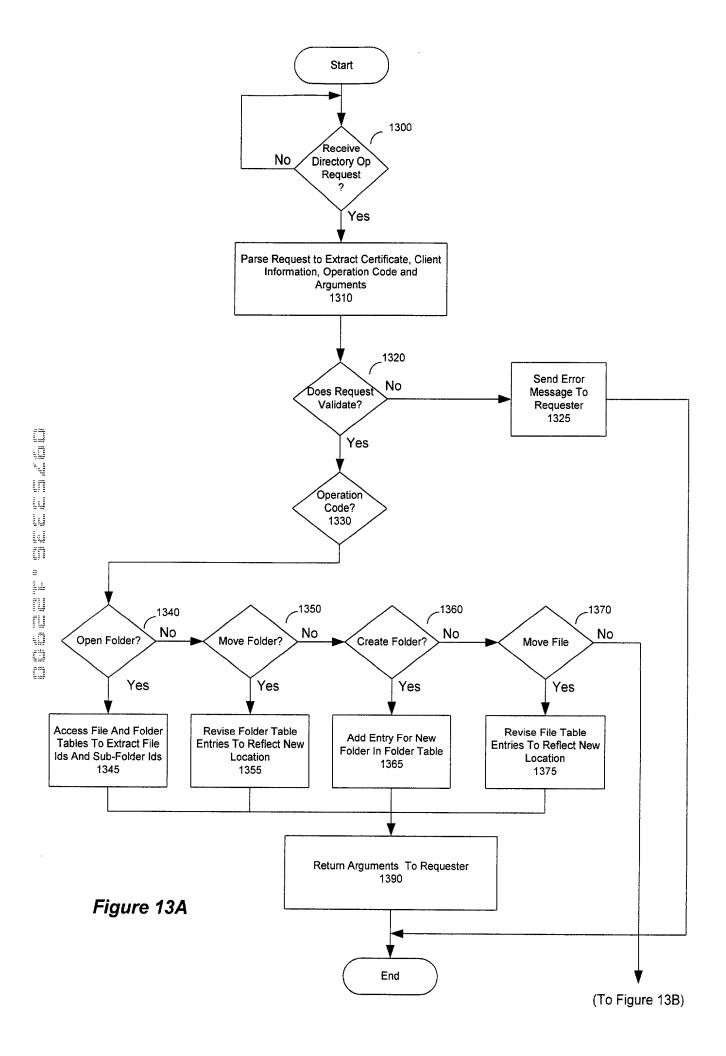
Folder Table

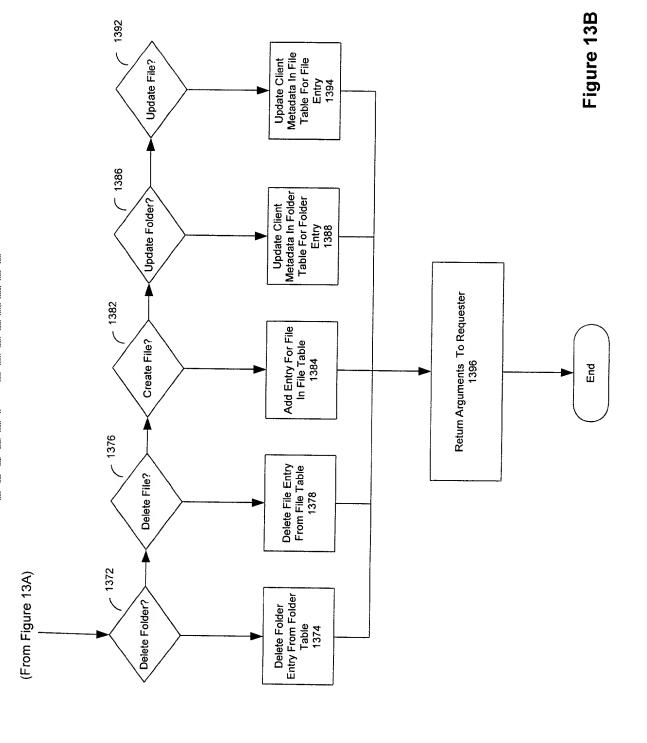
ustomer Id	Folder Id	Folder Parent Id	Metadata]
3	2	-	[Reserved]	1210
3	100	2	[Reserved]	V
3	251	2	[Reserved]	
3	166	251	[Reserved]	

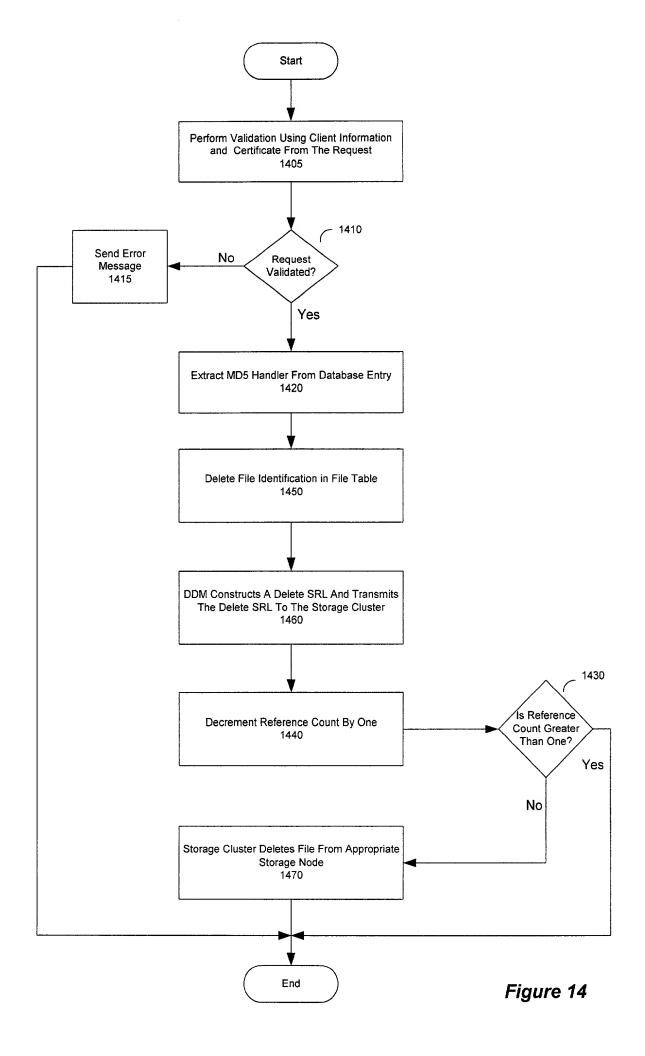
File Table

Customer Id	File Handle	Folder Id	Folder Parent Id	Metadata	
3	52.MD5	100	2	[Reserved]	1220
3	55.MD5	100	2	[Reserved]	
3	99.MD5	166	251	[Reserved]	
3	67.MD5	166	251	[Reserved]	

Figure 12







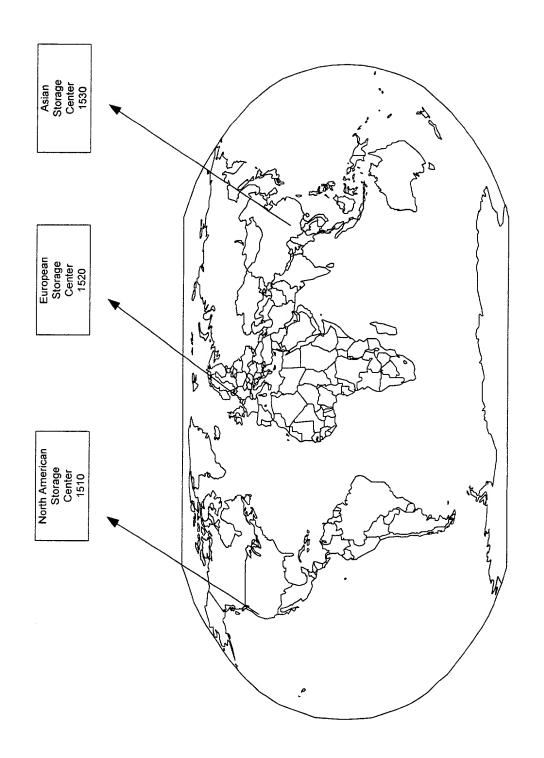


Figure 15

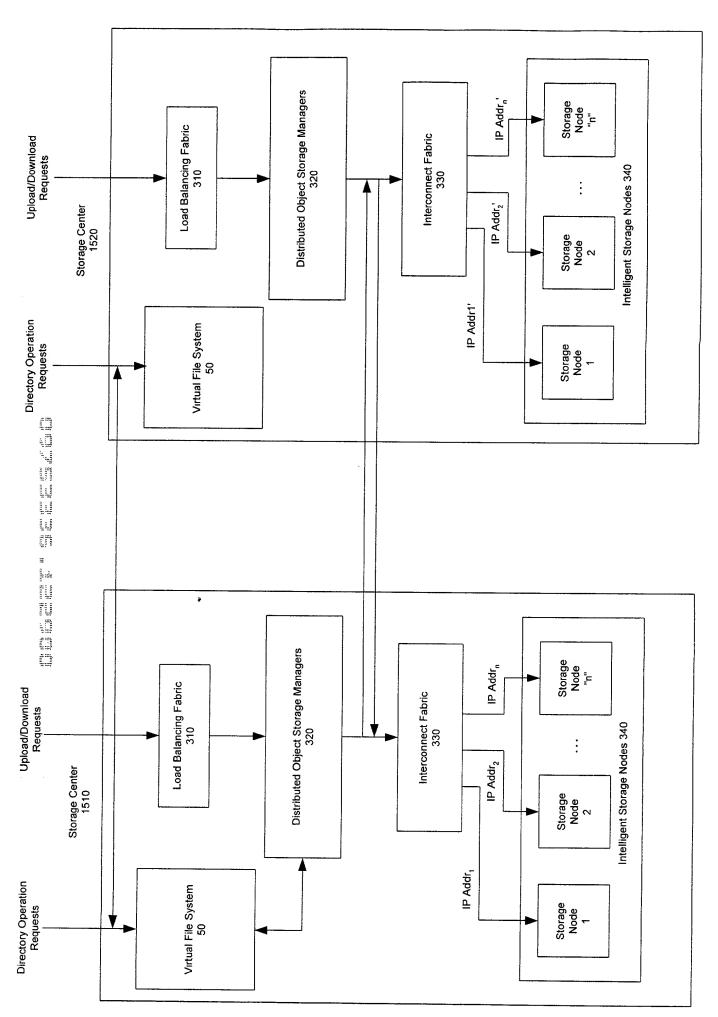
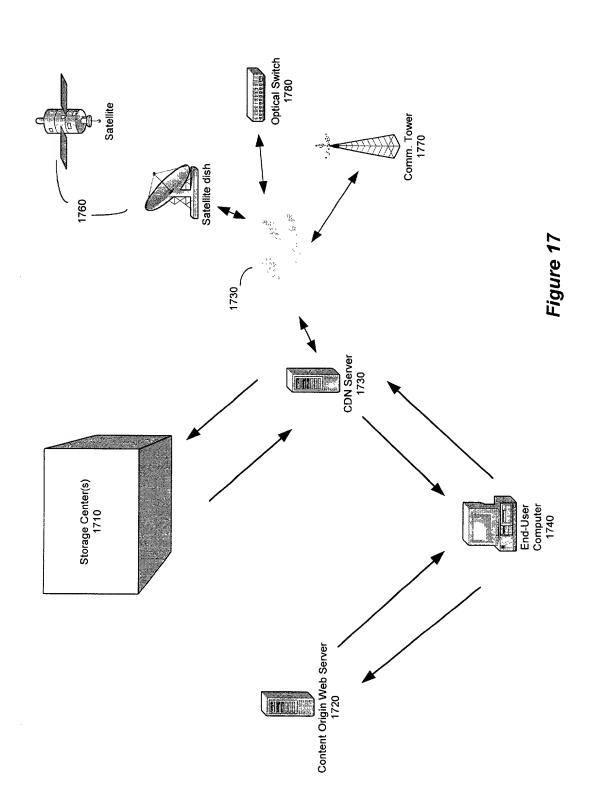


Figure 16



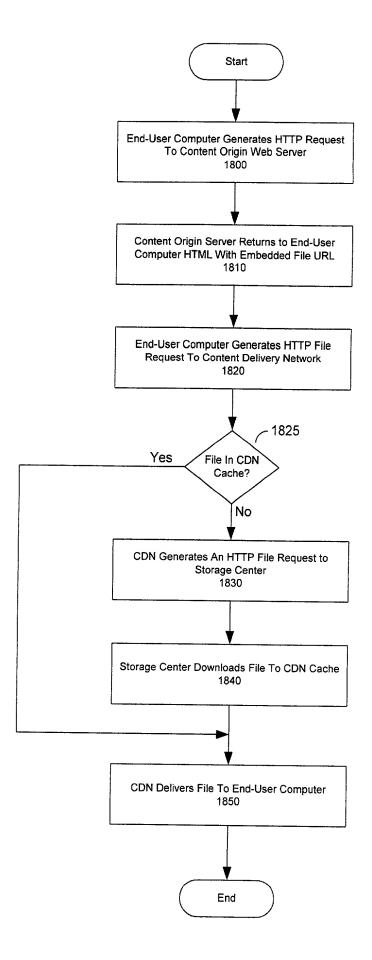


Figure 18

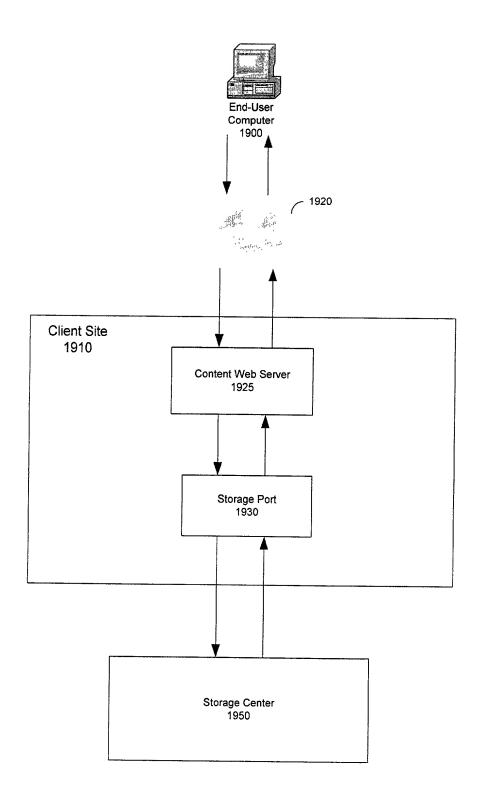


Figure 19

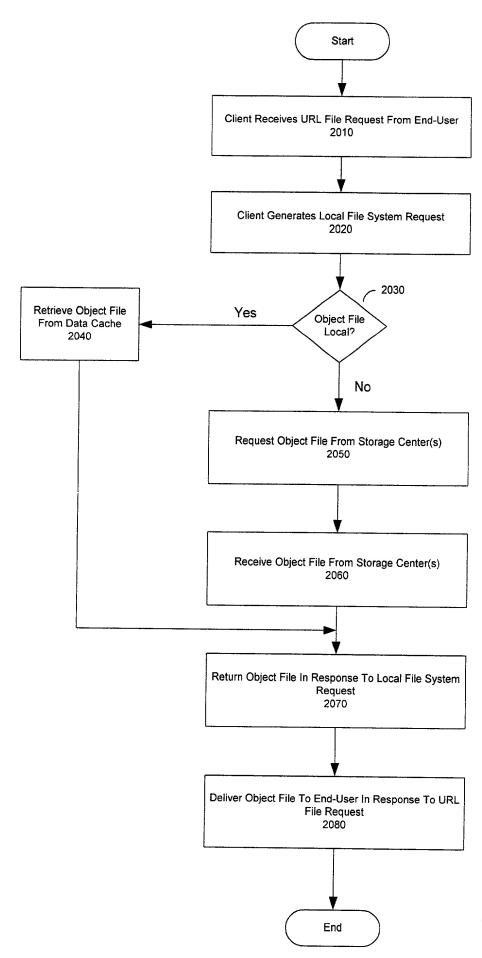


Figure 20

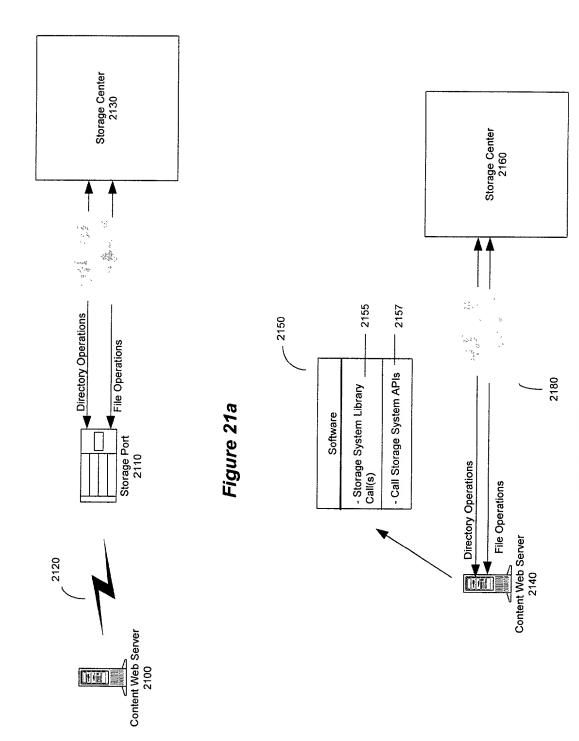


Figure 21b

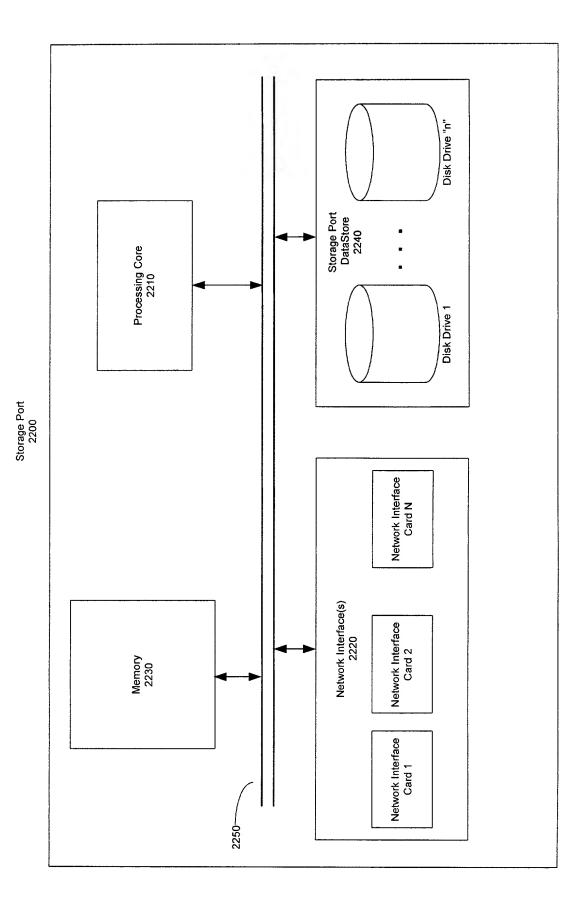


Figure 22

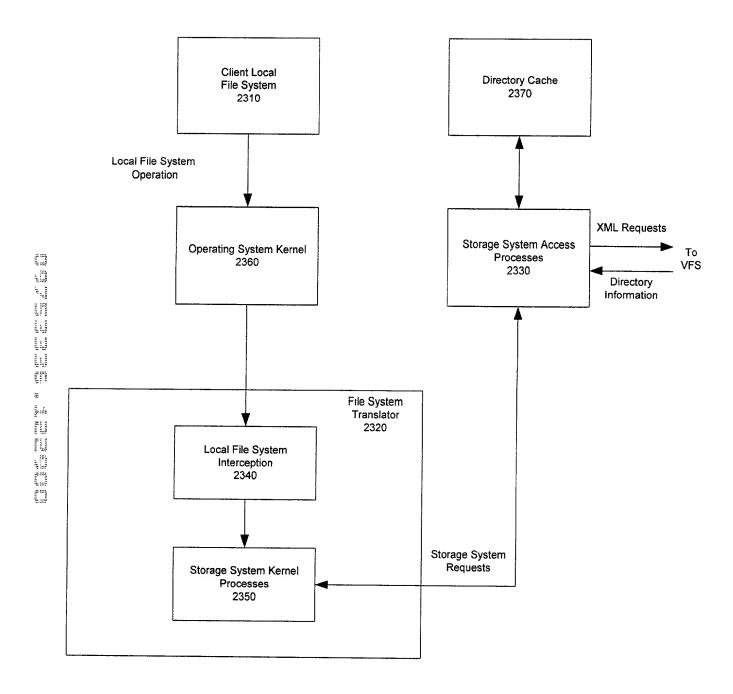
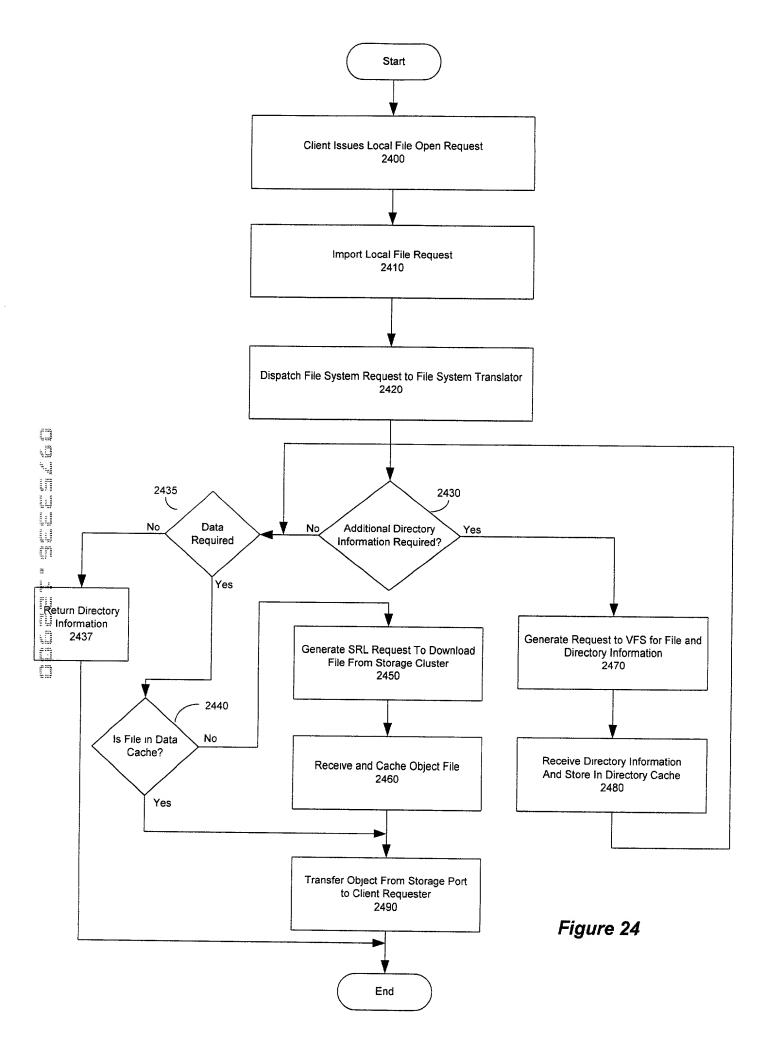


Figure 23



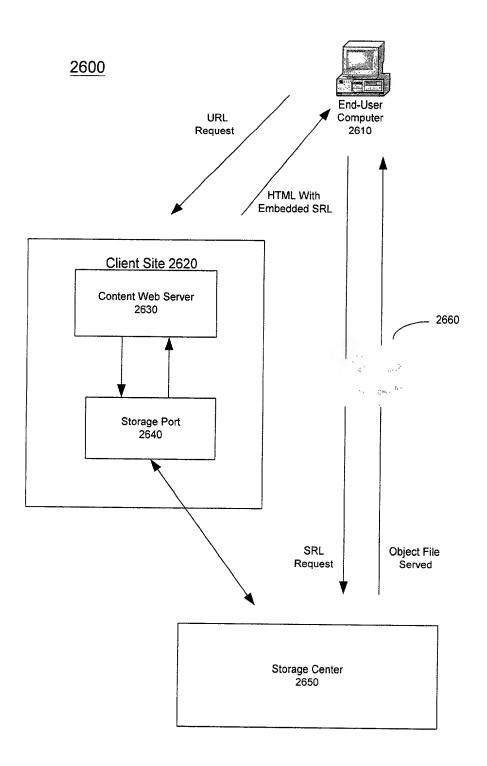


Figure 25

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75 High

13

73 53 53

Start

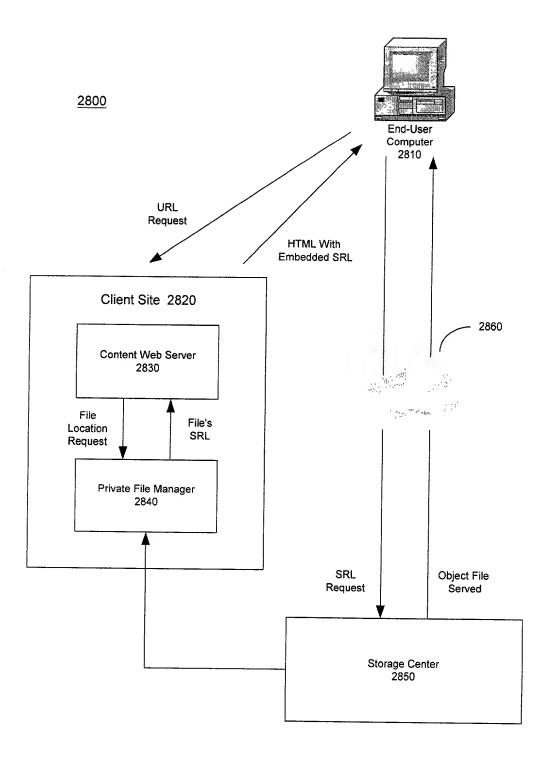


Figure 27

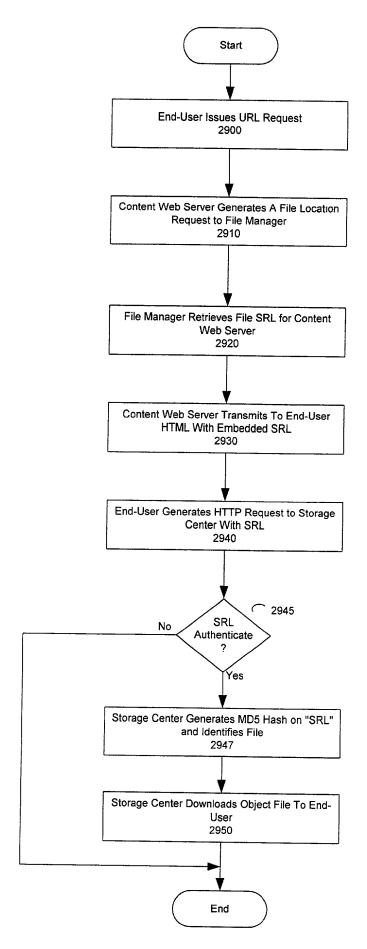


Figure 28

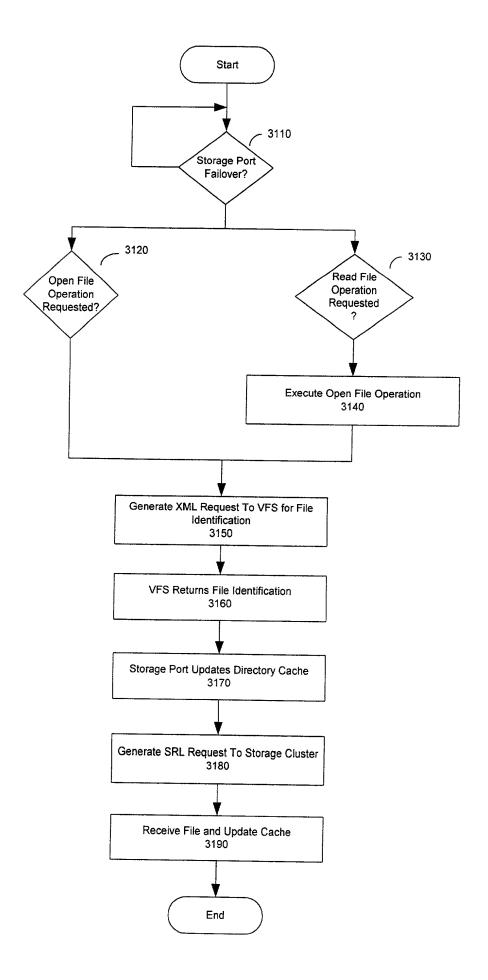


Figure 30

